Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-32 (canceled).

Claim 33 (previously presented): An electrical current generating system comprising:

a fuel cell including an anode channel including an anode gas inlet and an anode gas outlet, a cathode channel including a cathode gas inlet and a cathode gas outlet, and an electrolyte in communication with the anode and cathode channel for facilitating exchange between the anode and cathode channel;

an oxygen gas delivery system coupled to the cathode gas inlet for delivering oxygen gas to the cathode channel; and

a hydrogen gas delivery system coupled to the anode gas inlet for delivering a gaseous stream enriched in hydrogen gas to the anode channel, including a first rotary pressure swing adsorption system for enriching hydrogen in a gaseous feed, where the first rotary pressure swing adsorption system includes a first gas feed gas inlet for receiving a first gas feed comprising hydrogen gas and a gas outlet coupled to the anode gas inlet.

Claim 34 (original): The electrical current generation system according to claim 33 where the hydrogen gas delivery system includes a gas inlet for receiving a second gas feed from the anode gas outlet and a gas outlet for delivering the gaseous stream enriched in hydrogen gas to the anode channel.

Claim 35 (original): The electrical current generation system according to claim 34 where the second gas feed is passed through the first rotary pressure swing adsorption system.

Claim 36 (original): The electrical current generation system according to claim 35 where the first rotary pressure swing adsorption system includes a second feed gas inlet for receiving the second gas feed.

Claims 37-38 (canceled).

Claim 39 (previously presented): The electrical current generating system according to claim 36 where the hydrogen gas delivery system comprises a reactor for producing the first gas feed from hydrocarbon fuel, and wherein the first rotary pressure swing adsorption system is coupled to the reactor for receiving the first and second gas feeds.

Claim 40 (previously presented): The electrical current generating system according to claim 33 wherein the hydrogen gas delivery system comprises a reactor for producing the first hydrogen gas feed from hydrocarbon fuel.

Claim 41 (canceled).

Claim 42 (previously presented): The electrical current generating system according to claim 39 where the first rotary pressure swing adsorption system hydrogen includes a first feed gas inlet for receiving the first gas feed, and a second feed gas inlet for receiving the second gas feed.

Claim 43 (original): The electrical current generating system according to claim 42 where the first gas feed is provided at a pressure level different from a pressure level of the second gas feed.

Claim 44 (previously presented): The electrical current generating system according to claim 39 where the reactor comprises a steam reformer, and a water gas shift reactor coupled to the steam reformer for producing the first gas feed.

Claim 45 (canceled).

Claim 46 (previously presented): The electrical current generating system according to claim 39 wherein the reactor comprises an autothermal reformer, and a water gas shift reactor coupled to the steam reformer for producing the first gas feed.

Claims 47-50 (canceled).

Claim 51 (original): The electrical generating system according to claim 33 further comprising a gas recirculation means coupled to the cathode gas outlet for recirculating a portion of cathode exhaust gas exhausted from the cathode channel to the cathode gas inlet.

Claim 52 (original): The electrical generating system according to claim 39 further comprising a gas recirculation means coupled to the cathode gas outlet for recirculating a portion of cathode exhaust gas exhausted from the cathode channel to the reactor for producing hydrogen from hydrocarbon fuel.

Claims 53-81 (canceled).

Claim 82 (previously presented): An electrical current generating system, comprising:

at least one fuel cell; and

a hydrogen gas delivery system coupled to the fuel cell for delivering hydrogen to the fuel cell, the hydrogen gas delivery system comprising a rotary pressure swing adsorption module, wherein the rotary pressure swing adsorption module includes an adsorbent that preferentially adsorbs at least one carbon oxide.

Claim 83 (previously presented): The system according to claim 82, wherein the carbon oxide is carbon monoxide or carbon dioxide.

Claim 84 (previously presented): The system according to claim 33, wherein the first rotary pressure swing adsorption system includes an adsorbent that preferentially adsorbs at least one carbon oxide.

Claim 85 (previously presented): The system according to claim 84, wherein the carbon oxide is carbon monoxide or carbon dioxide.

Claims 86-131 (canceled).